

BREEDING BIRD SURVEYS AT CAMP RIPLEY

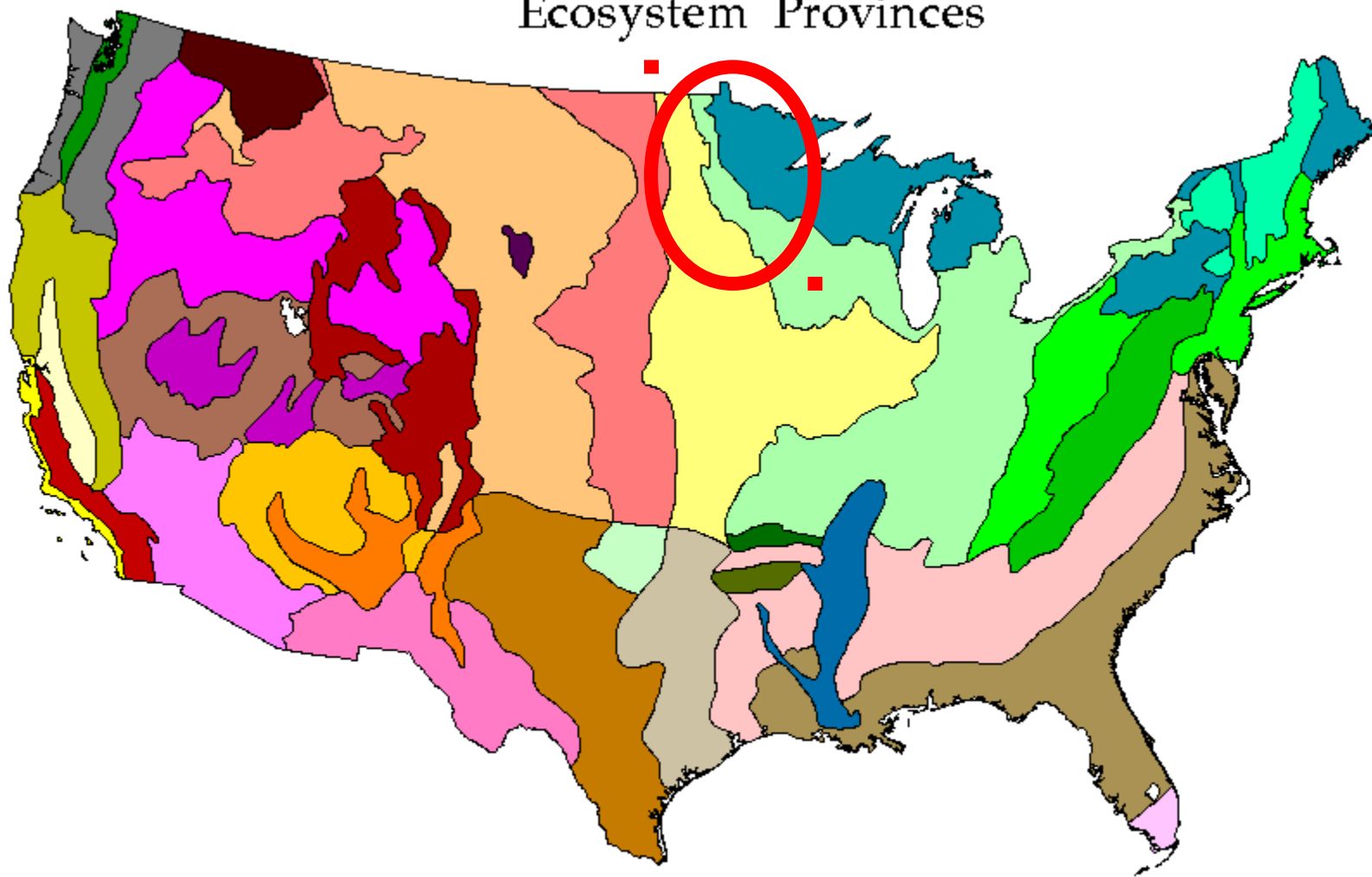


BRIAN DIRKS
MINNESOTA DNR



*Camp
Ripley*

Ecosystem Provinces



Province Map of Minnesota



Mixed Forest

**Camp
Ripley**

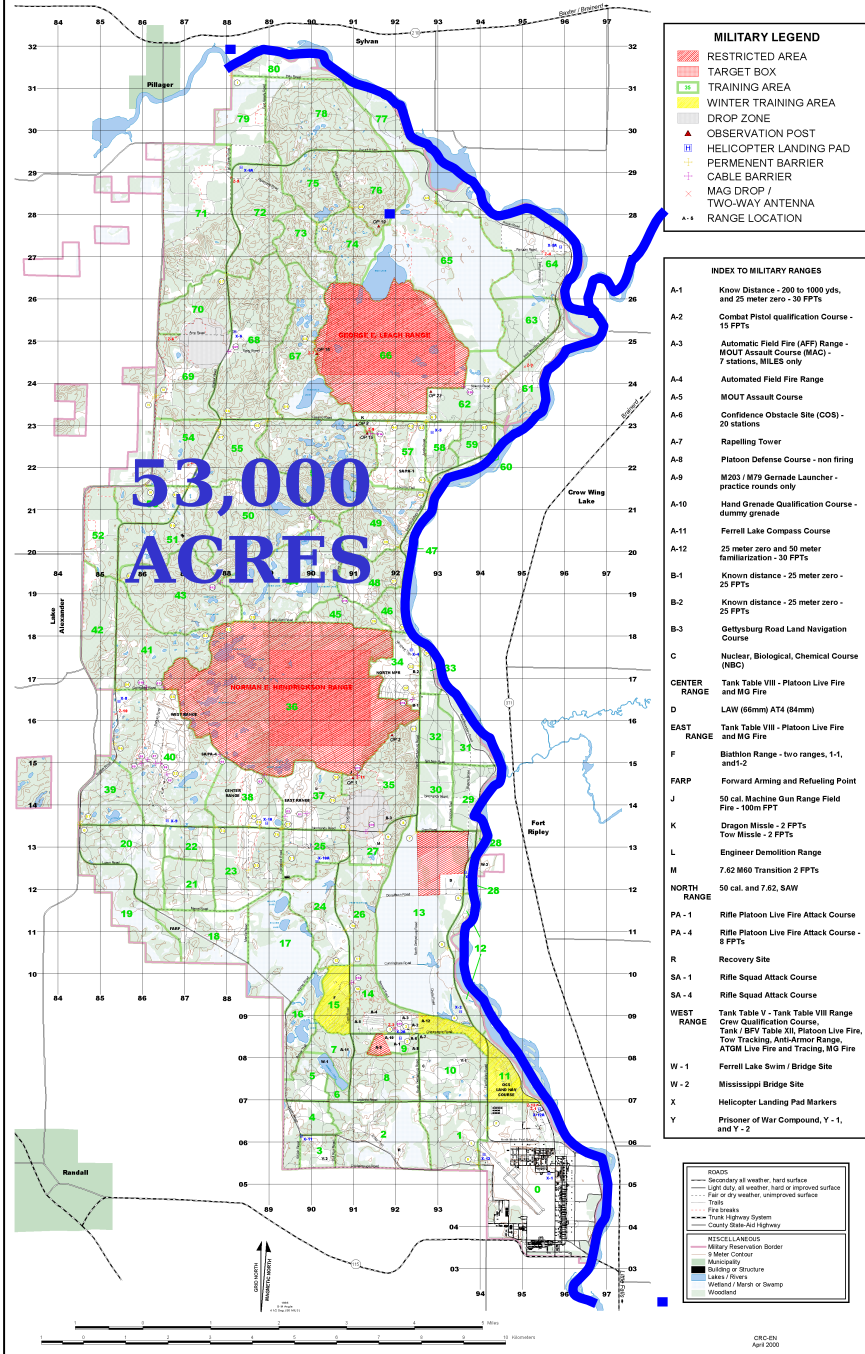
Eastern Broadleaf



MPLS / ST. PAUL

Prairie Parkland

CAMP RIPLEY MILITARY INSTALLATION



A photograph of a lush green grassland field. The foreground and middle ground are filled with tall, vibrant green grass. In the background, a dense line of trees with green foliage is visible. A fallen log lies on the ground near the tree line. The overall scene is a natural, open landscape.

Grassland - Brushland
7,750 Acres

Wetlands - 8,200 Acres



Pine Forest and Plantations

3,000 Acres



**Oak/Northern Hardwoods
11,000 Acres**

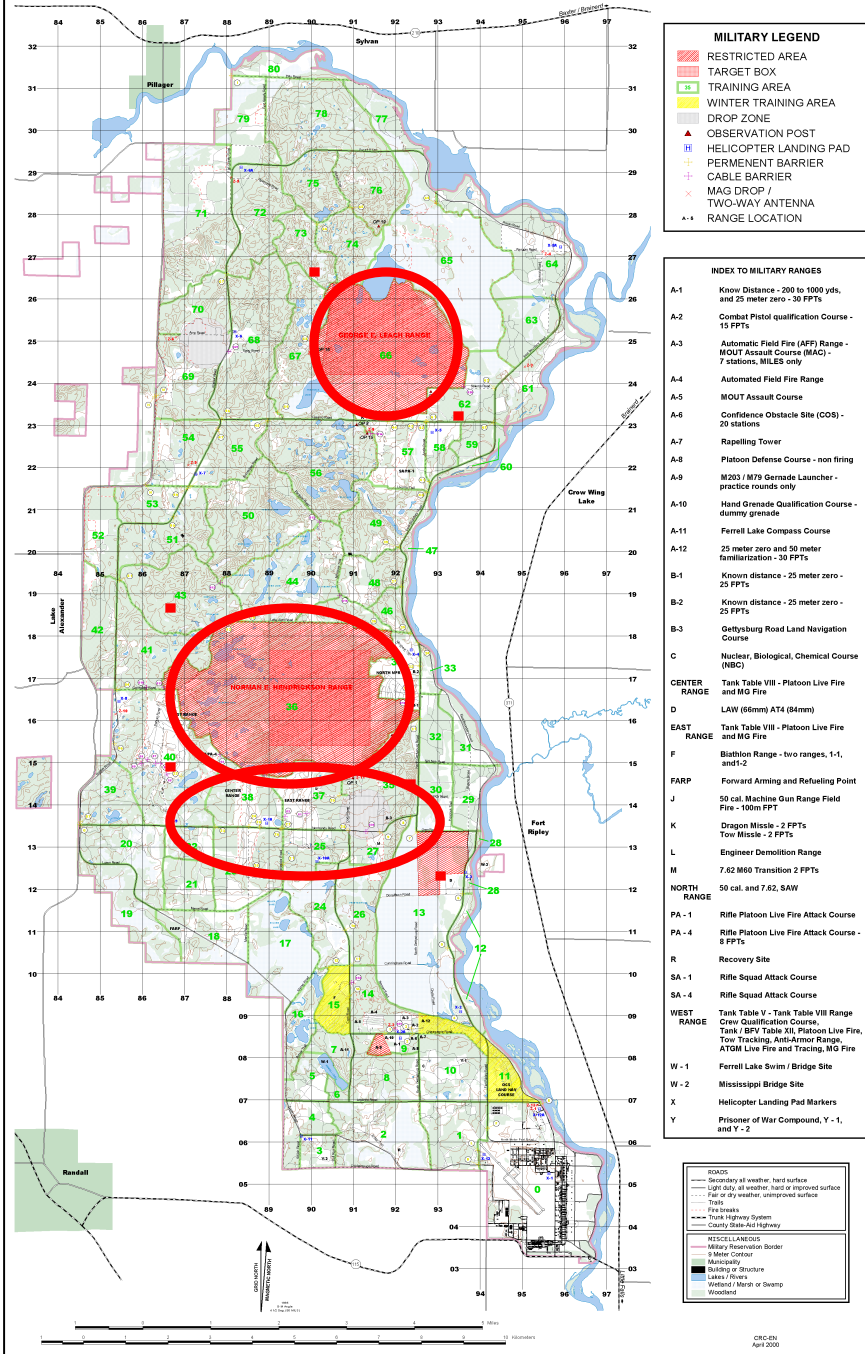


Aspen/Birch
14,000 Acres





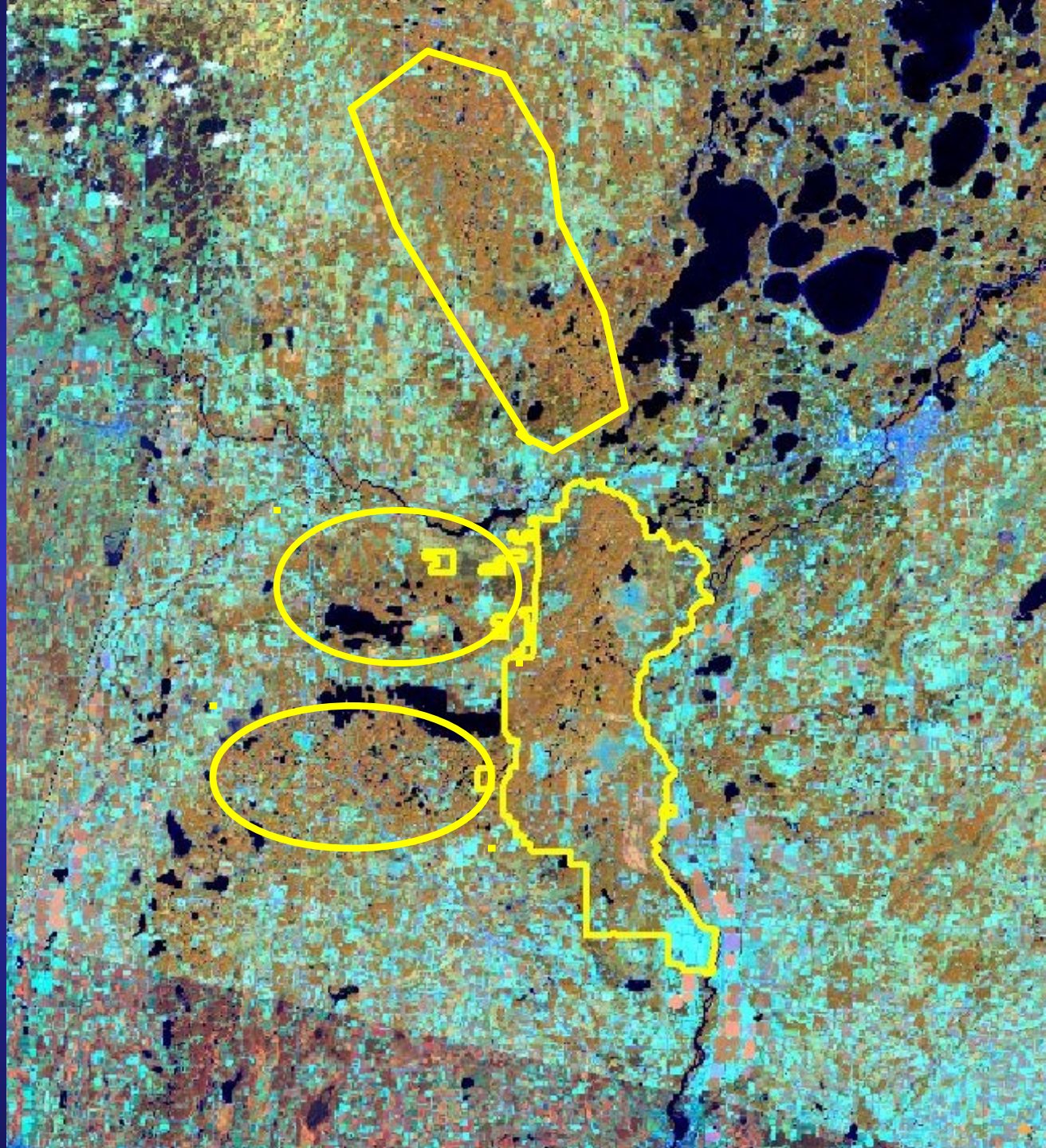
CAMP RIPLEY MILITARY INSTALLATION

















BREEDING BIRD SURVEYS



- ITAM -

LAND CONDITION TREND ANALYSIS



LAND CONDITION TREND ANALYSIS

STANDARD METHODS FOR INVENTORY, MONITORING AND ANALYSIS

- VEGETATION**
- SOILS**
- WILDLIFE**

BIRDS AS INDICATORS OF HABITAT CHANGE

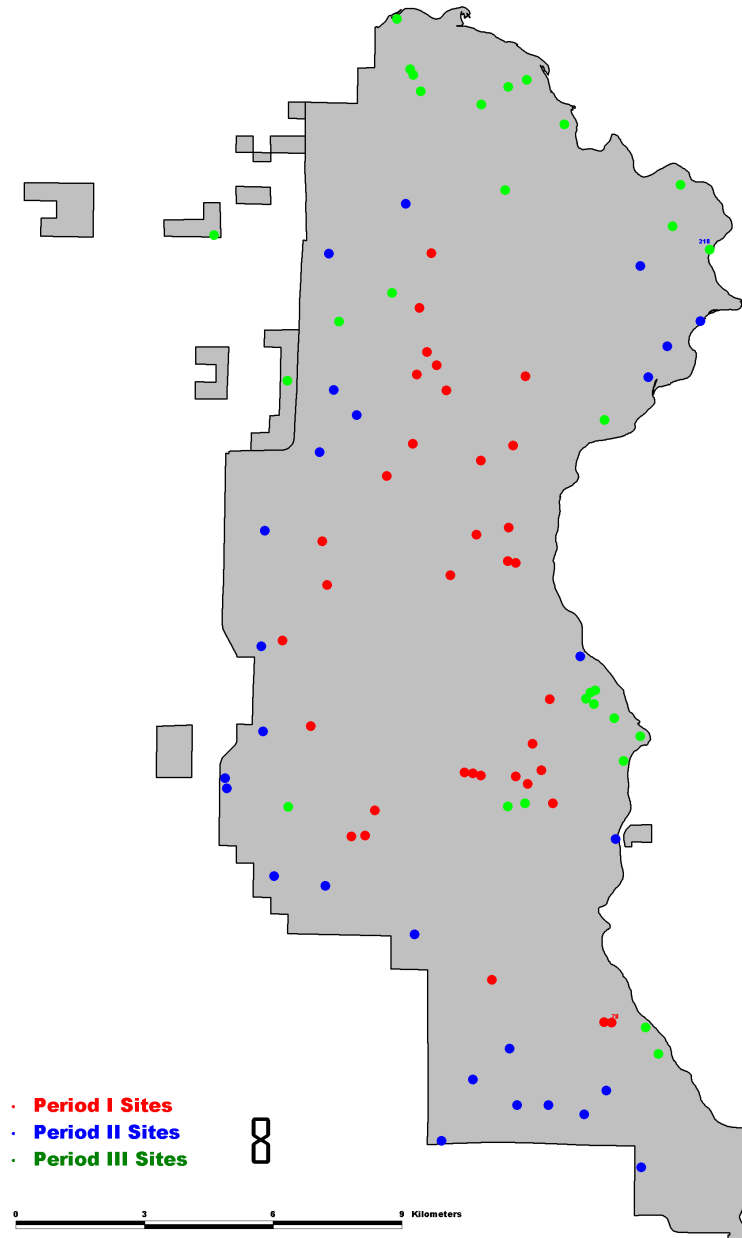
- **LARGE NUMBER OF SPECIES**
- **RELATIVELY EASY TO SURVEY**
- **VARIETY OF HABITATS**

LAND CONDITION TREND ANALYSIS



- 200 LCTA PLOTS ON CAMP RIPLEY
- STRATIFIED BY HABITAT TYPE

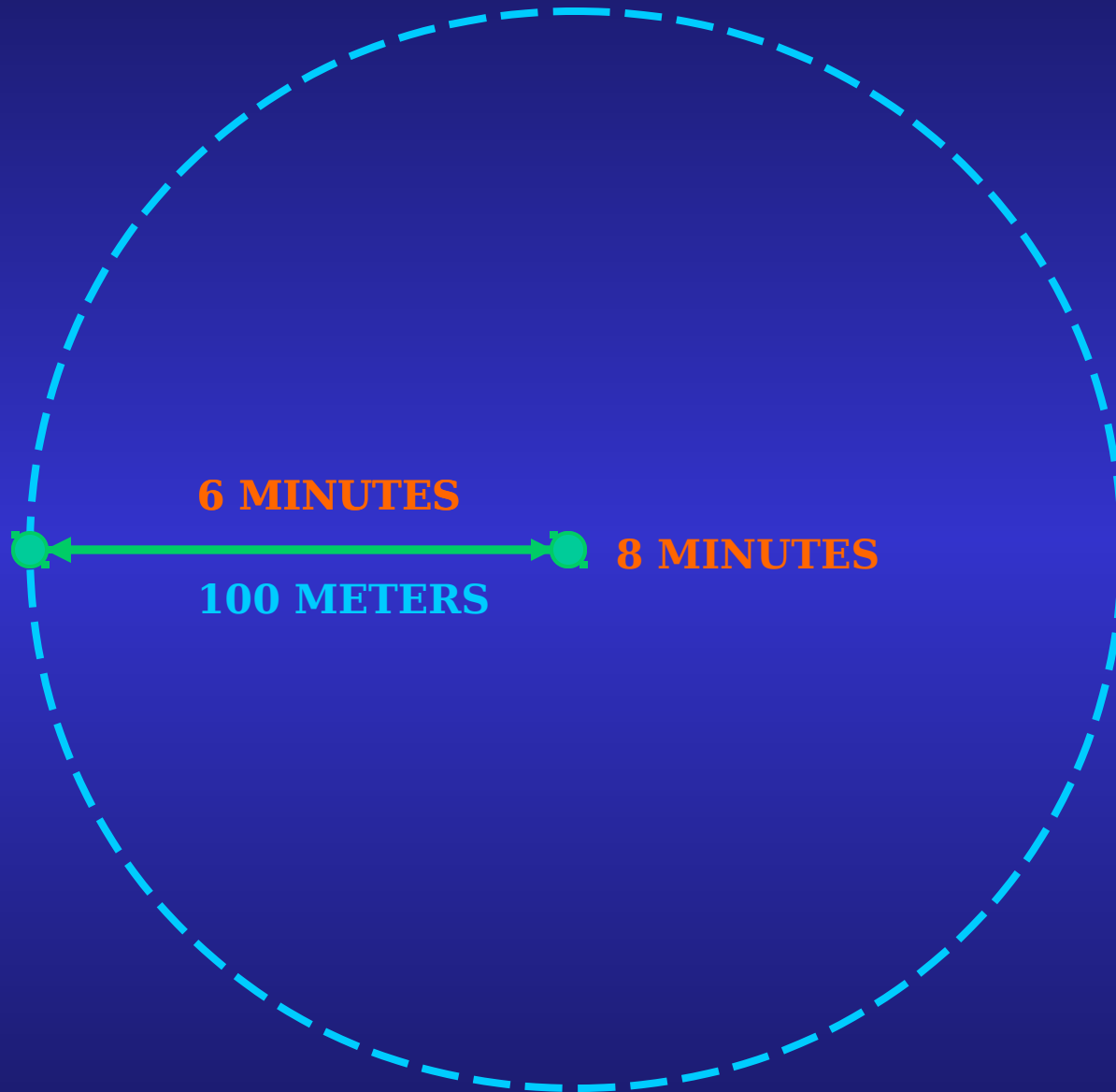
2000 Songbird Allocation



BREEDING BIRD SURVEYS



LCTA TRANSECT SURVEY



LCTA PLOT
POINT COUNT

50 METER MARK



10 MINUTES

LCTA Transect to Point Count Conversion

**Birds per
Point Count**

**1997 + 1998 +
1999**

**Birds per
LCTA Transect**

**1997 + 1998 +
1999**

SURVEY RESULT





55-65 SPECIES
RECORDED

ON PLOTS EACH YEAR

MOST FREQUENTLY OBSERVED SPECIES

- **RED-EYED VIREO**

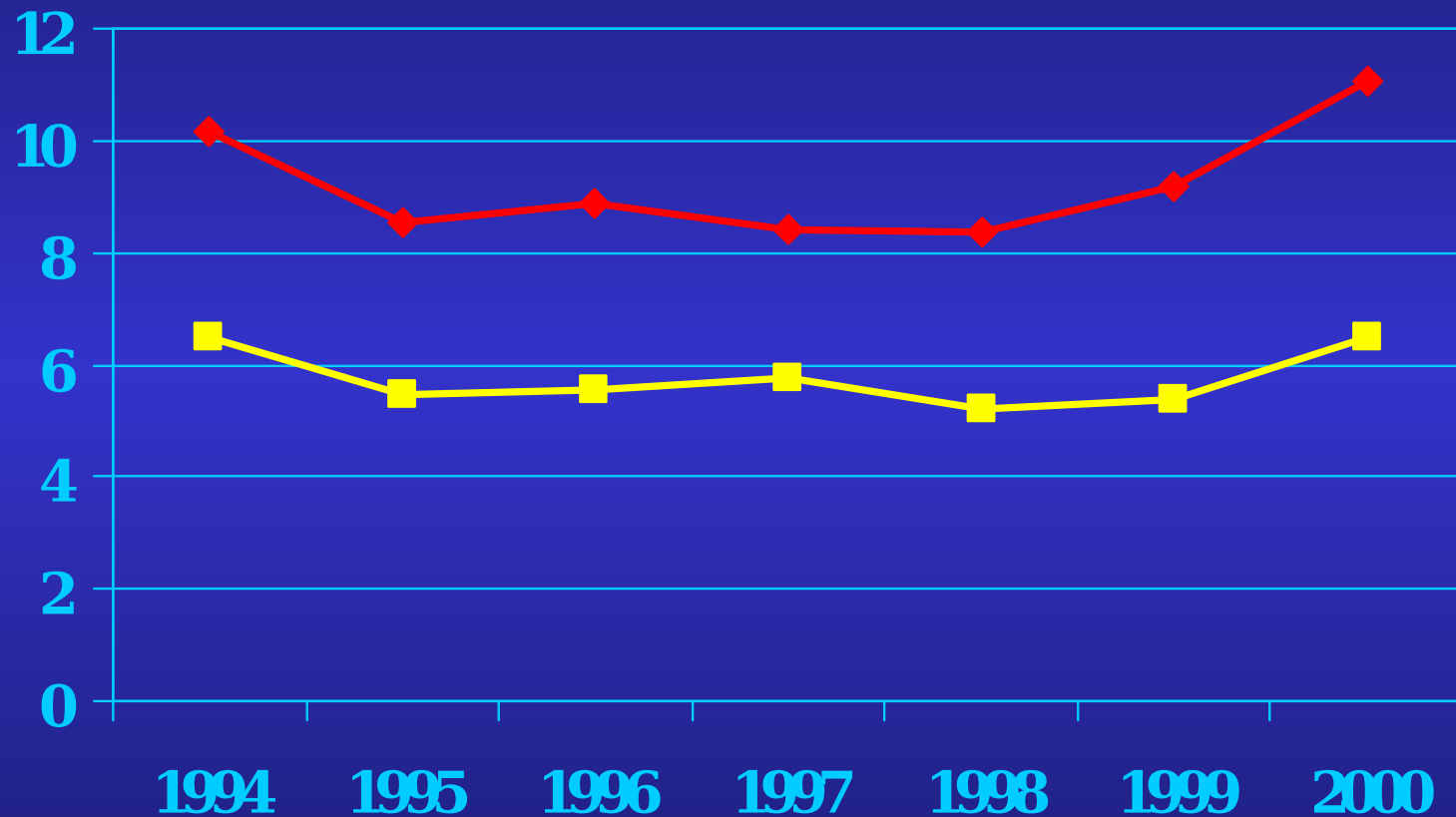
- **AMERICAN
REDSTART**

- **OVENBIRD**

- **LEAST
FLYCATCHER**

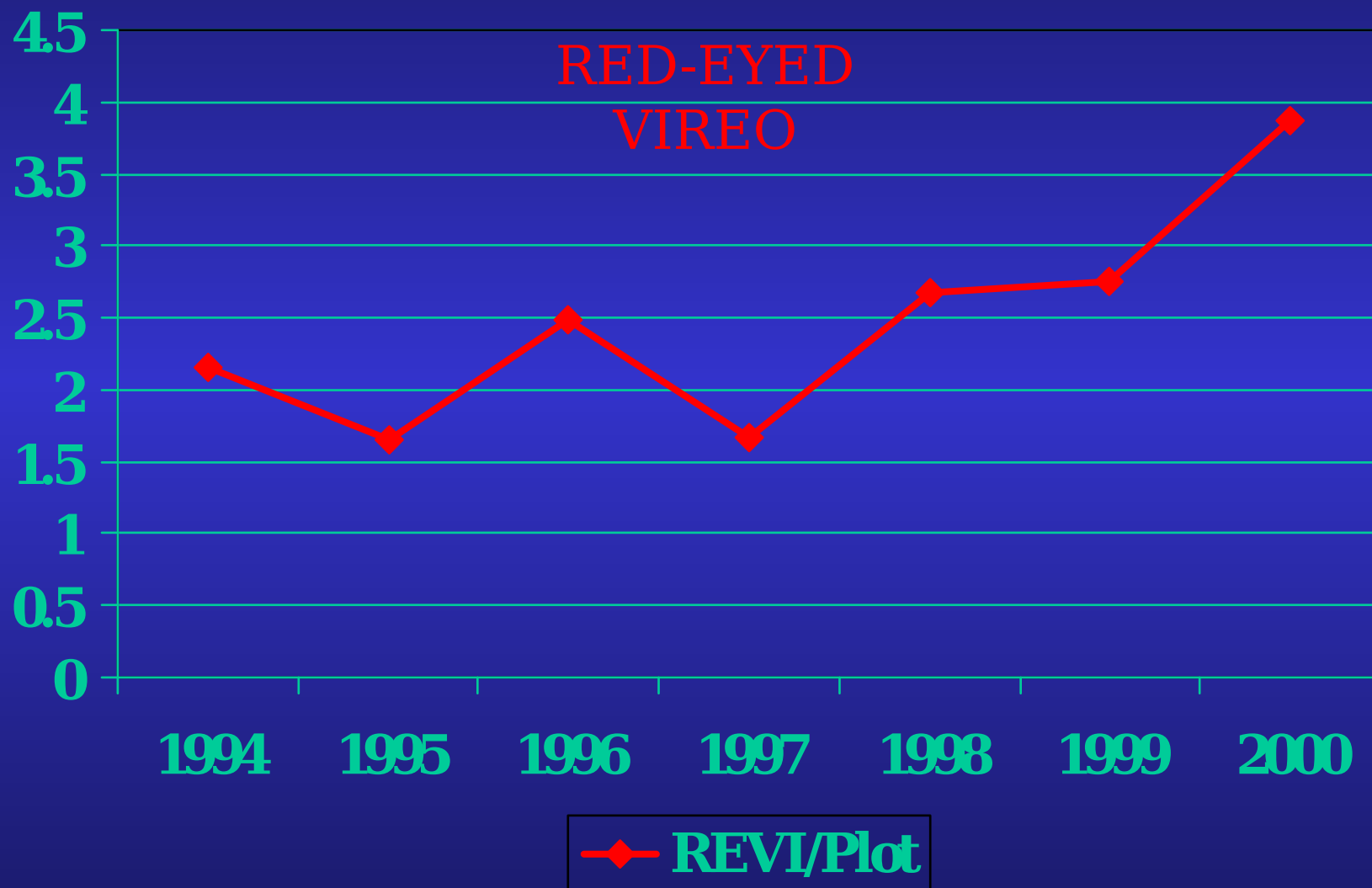


CAMP RIPLEY

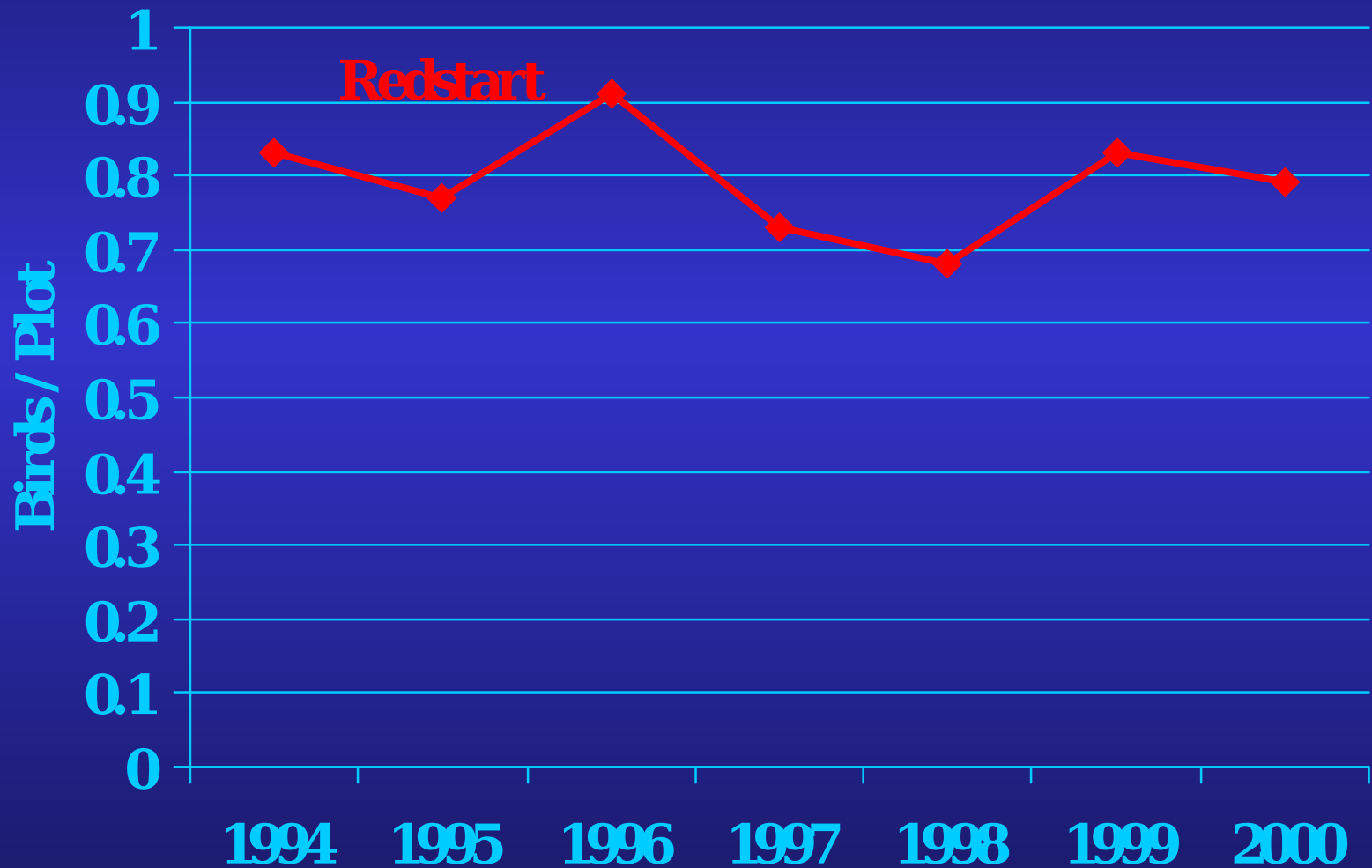


—◆— Birds/Plot —■— Species/Plot

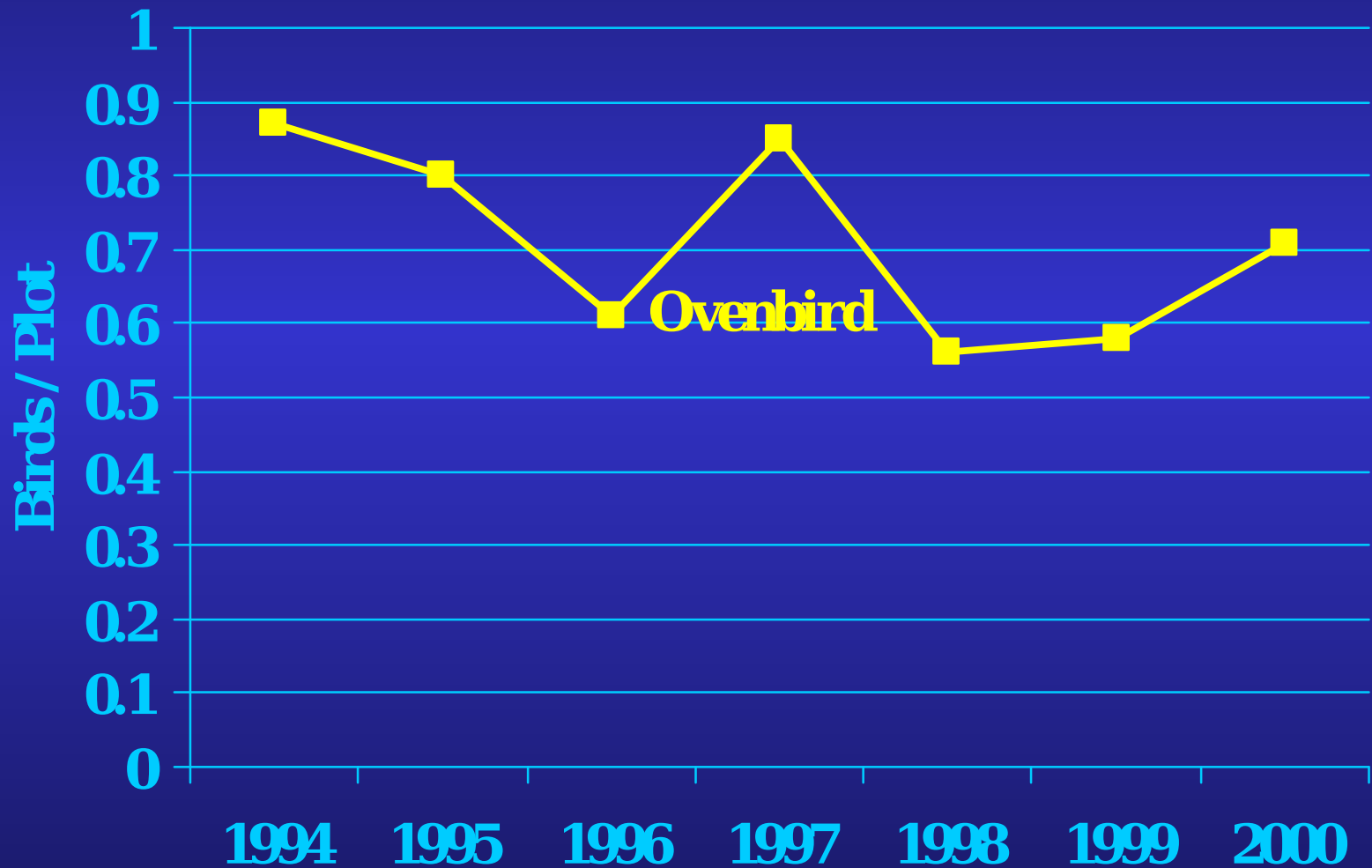
CAMP RIPLEY



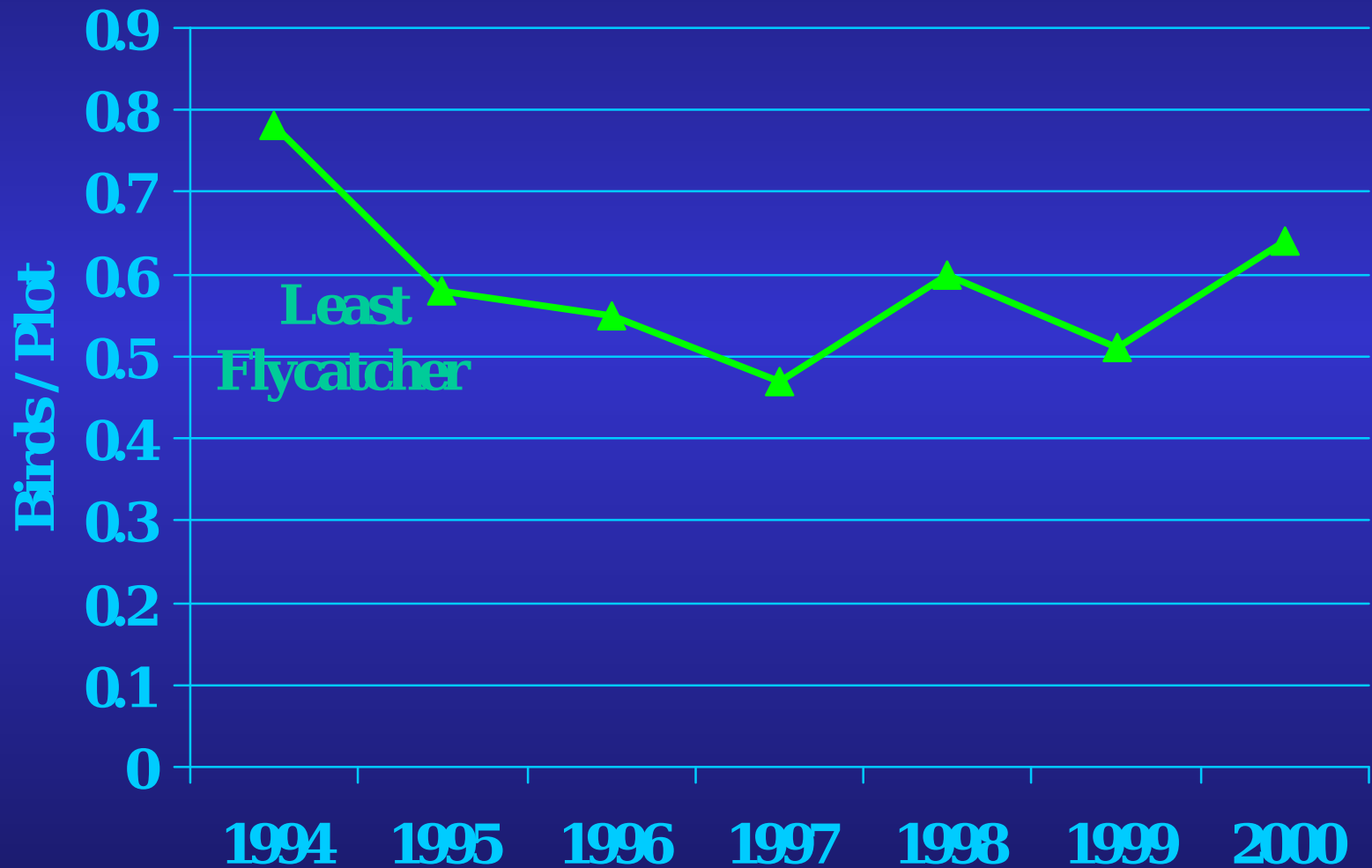
CAMP RIPLEY



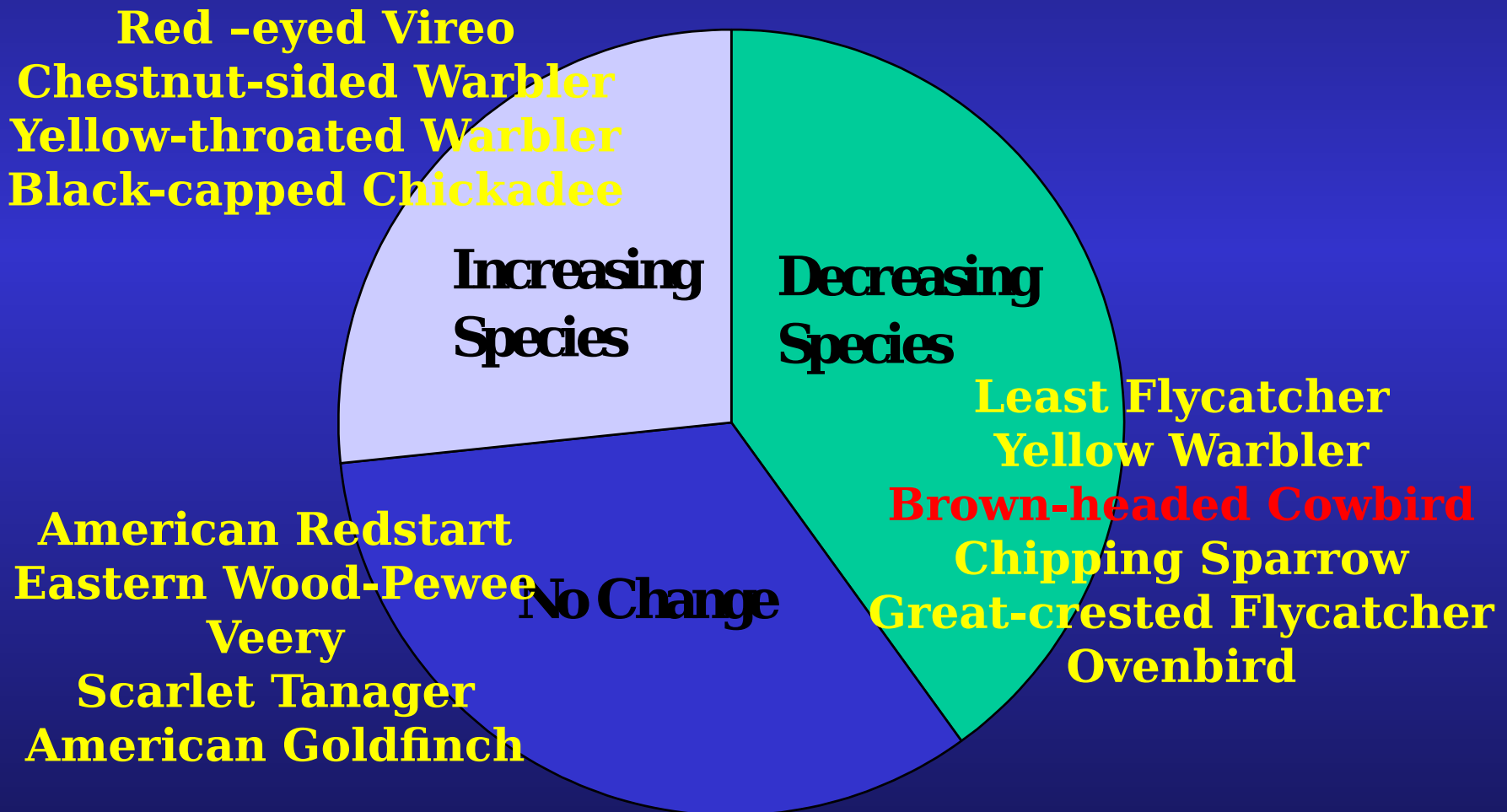
CAMP RIPLEY



CAMP RIPLEY



15 MOST ABUNDANT SPECIES (75% OF TOTAL NUMBERS)









THANKS TO:

BILL BROWN

Camp Ripley

Natural Resource Specialist



MARTY SKOGLUND

Camp Ripley

Environmental Supervisor

PAM PERRY

DNR Regional Nongame Specialist

